

Date: Thu, 21 Jul 94 04:30:11 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #821
To: Info-Hams

Info-Hams Digest Thu, 21 Jul 94 Volume 94 : Issue 821

Today's Topics:

 finally it arrived (but why no plus?)
 Daily Summary of Solar Geophysical Activity for 19 July
 Elmers, please read
 Is there an ATV newsgroup?
 Jupiter Radio Pulses
 NASA 25th Moon Landing Special Station
 No. VA Comm Engr - Addr Corr'n
 No code tech./CB/not shedding a tear
 QST on News Stands?
 Quiz programs for License Tests
 Sister-in-law gets license quickly

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 20 Jul 94 13:11:58 -0500
From: ihnp4.ucsd.edu!swrinde!elroy.jpl.nasa.gov!lll-winken.llnl.gov!noc.near.net!
news.tufts.edu!news.hnrc.tufts.edu!jerry@network.ucsd.edu
Subject: *finally it arrived* (but why no plus?)
To: info-hams@ucsd.edu

In article <30hec6\$inu@wizard.uark.edu>, plaws@comp..uark.edu (Peter Laws) writes:

> Curious: "Technician Plus" is one of the *SIX* license classes listed on
> the new FCC Form 610.

Also 6 on CSCE.

> Another curiosity: no specific exemption is made in the rules regarding
> the expiration of CSCEs for Tech+ hams - those too should expire in 365
> days - but they don't.

It says, "Note: If you hold a current FCC-issued (codeless) Technician class operator license, and if this certificate indicates Element 1A . . . this certificate indefinitely permits you HF operating privileges . . . This document must be kept indefinitely . . ."

Date: Wed, 20 Jul 1994 11:03:07 MDT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu
Subject: Daily Summary of Solar Geophysical Activity for 19 July
To: info-hams@ucsd.edu

/\

DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

19 JULY, 1994

/\

(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 19 JULY, 1994

NOTE: Energetic electron fluence at greater than 2 MeV was a moderate to high levels today.

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 200, 07/19/94
10.7 FLUX=077.6 90-AVG=080 SSN=044 BKI=3443 2022 BAI=013
BGND-XRAY=A3.4 FLU1=1.3E+06 FLU10=1.5E+04 PKI=3333 2223 PAI=012
BOU-DEV=000,045,042,027,015,003,012,017 DEV-AVG=020 NT SWF=00:000
XRAY-MAX= B3.2 @ 1205UT XRAY-MIN= A2.3 @ 2001UT XRAY-AVG= A5.6
NEUTN-MAX= +003% @ 1925UT NEUTN-MIN= -001% @ 2140UT NEUTN-AVG= +0.2%
PCA-MAX= +0.1DB @ 2040UT PCA-MIN= -0.8DB @ 0025UT PCA-AVG= -0.0DB
BOUTF-MAX=55251NT @ 0607UT BOUTF-MIN=55219NT @ 1937UT BOUTF-AVG=55237NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+074,+000,+000
GOES6-MAX=P:+125NT@ 2051UT GOES6-MIN=N:-040NT@ 0118UT G6-AVG=+102,+033,-017
FLUXFCST=STD:080,080,075;SESC:080,080,075 BAI/PAI-FCST=005,005,005/010,010,010
KFCST=2223 1222 1222 1222 27DAY-AP=009,005 27DAY-KP=2322 3232 1110 1332
WARNINGS=

ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 18 JUL 94 was 30.0.
The Full Kp Indices for 18 JUL 94 are: 3o 3o 3- 3o 3o 2o 2o 2+
The 3-Hr Ap Indices for 18 JUL 94 are: 16 16 12 16 15 8 8 10
Greater than 2 MeV Electron Fluence for 19 JUL is: 9.9E+08

SYNOPSIS OF ACTIVITY

Solar activity was very low. Region 7757 (N13E37) is the largest region on the disk and remained stable. The greater than 2 MeV electron flux was at high levels.

Solar activity forecast: solar activity is expected to be very low.

The geomagnetic field has been at quiet to active levels for the past 24 hours. A brief period of activity was observed at 0600Z then receded to quiet levels by 1500Z.

Geophysical activity forecast: the geomagnetic field is expected to be quiet. High latitude stations may see unsettled levels at night.

Event probabilities 20 jul-22 jul

Class M	01/01/01
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 20 jul-22 jul

A. Middle Latitudes

Active	10/10/10
Minor Storm	05/05/05
Major-Severe Storm	01/01/01

B. High Latitudes

Active	15/15/15
Minor Storm	05/05/05
Major-Severe Storm	01/01/01

HF propagation conditions were normal over all regions.
Similar near-normal to perhaps slightly above-normal

propagation is expected over the next 3 days, through 22 July inclusive.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 19/2400Z JULY

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7756	S12E06	001	0010	BX0	04	004	BETA	
7757	N13E37	330	0170	CS0	08	007	BETA	
7758	S12E53	314	0020	AXX	02	003	ALPHA	
7751	S12W68	075					PLAGE	
7753	S12W43	050					PLAGE	
7754	N13W73	080					PLAGE	

REGIONS DUE TO RETURN 20 JULY TO 22 JULY

NMBR	LAT	LO
7744	S16	263

LISTING OF SOLAR ENERGETIC EVENTS FOR 19 JULY, 1994

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
0021	0021	0022						150	

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 19 JULY, 1994

BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
NO EVENTS OBSERVED								

INFERRED CORONAL HOLES. LOCATIONS VALID AT 19/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS								
EAST	SOUTH	WEST	NORTH	CAR	TYPE	POL	AREA	OBSN
NONE VISIBLE								

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
18 Jul:	0036	0041	0046	B1.4						
	0322	0326	0330	B3.2						
	0547	0551	0554	B1.4						

0804	0807	0809	B1.1						
1325	1331	1341	C3.2	SF		S10E72		73	61

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
	--	--	--	--	--	--	--	--	---	-----
Uncorrelated:	1	0	0	1	0	0	0	0	005	(100.0)

Total Events: 005 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
18 Jul:	0547	0551	0554	B1.4				III
	0804	0807	0809	B1.1				III
	1325	1331	1341	C3.2	SF		S10E72	V

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

** End of Daily Report **

Date: 20 Jul 1994 18:33:12 GMT
From: lll-winken.llnl.gov!noc.near.net!hopscotch.ksr.com!jfw@ames.arpa
Subject: Elmers, please read
To: info-hams@ucsd.edu

In fact, during the recent QRP ARCI Homebrew Sprint (in a very decided lull in contacts) I tried working someone who was using about a 1.1:1 dash:dot ratio, but apparently the other operator didn't hear me (well, at 1.5W, I'm not surprised). It was kind of depressing hearing him calling CQ for so long without an answer.

sro@media.mit.edu (Shawn O'Donnell) writes:
>How come there's no Q-signal, like QFS, for "Your fist sucks/Does my
>fist suck?"

Surely you've heard of

QLF Try sending with your Left Foot now.
QLF? Should I try sending with my Left Foot now?

73, John, WB7EEL/1

Date: Wed, 20 Jul 1994 17:38:52 EDT
From: spool.mu.edu!caen!cmuvm.csv.cmich.edu!32dkuz3@uunet.uu.net
Subject: Is there an ATV newsgroup?
To: info-hams@ucsd.edu

Count me in, sounds Great. Brian, N8VRI

Date: Wed, 20 Jul 1994 16:57:47 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!nntp.cs.ubc.ca!
unixg.ubc.ca!quartz.ucs.ualberta.ca!gov.nt.ca!ve8ev@network.ucsd.edu
Subject: Jupiter Radio Pulses
To: info-hams@ucsd.edu

In article <tcjCt6nsp.Ftp@netcom.com> tcj@netcom.com (Todd Jonz) writes:
>Jeffrey Herman (jeffrey@kahuna.tmc.edu) writes:

>
> > From: Reuters News
> > Subject: Jupiter Radio Pulse Increases before Collisions
> >
> > Japanese astronomers have detected a 10-fold increase in radio
> > pulse emissions from the giant planet.
>

>This sounds like it might be interesting to monitor. Does anyone know where
>Jupiter "operates" and if he can be copied by a typical ham station?

>

>

>KB6JXT, Todd

>

And what about a QSL route? ;-)

```
=====
John Boudreau VE8EV      INTERNET: ve8ev@amsat.org
Inuvik, NWT, CANADA      PACKET: VE8EV@KL7GNG.#NAK.AK.USA.NA
=====
```

Date: Wed, 20 Jul 1994 12:57:42
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!
news.umbc.edu!eff!news.kei.com!ddsw1!mbi.moody.edu!farslayer.moody.edu!
pwalker@network.ucsd.edu
Subject: NASA 25th Moon Landing Special Station
To: info-hams@ucsd.edu

In article <30jdiv\$5gn@blkbox.blkbox.COM> guillory@blkbox.com (George Guillory)
writes:

>Can anyone please send the me freqs for the JSC station participating in
>the 25th Anniv. Moon Landing? I had them but mistakenly deleted them.

>Today is the last day right?

Tuesday evening (local) various times I worked (from Northwest Indiana):

Johnson Space Center, W5RRR (Houston, TX) - 14.238

Kennedy Space Center, KC4TCV (Florida) - 14.236

Jet Propulsion Laboratory W6VIO (Pasadena, CA) - 14.2445

Marshall Space Flight Center, WA4NZD (Alabama) - 7.236

NASA HQ, N4ZR (Outside Wash DC) - 7.238

I also heard:

NASA Ames Research Center, K6MF (Moffett Field, CA) - 14.251

I heard on the air last night that there are 12 stations operating (1 in Guam) and that they will be operating until 0500z July 22.

Paul Walker, N9WHG

Date: Wed, 20 Jul 94 18:11:07 EDT
From: paperboy.ids.net!usenet@uunet.uu.net
Subject: No. VA Comm Engr - Addr Corr'n
To: info-hams@ucsd.edu

The devil is alive and well. Please submit resumes to
alavarre@ids.net
[no dot in the username... :-(]

=====
A large Northern Virginia organization is looking for entry
level U.S. citizen communications engineers to work in
analyzing HF through UHF communications systems. Resumes will
be processed by the corporate personnel department in
accordance with EEO policies and regulations. Please submit
resumes (ASCII, UUENCODE, or RTF) to

C. A. La Varre
alavarre@ids.net

=====
STAFFING REQUIREMENTS REQUEST

Clearance Level: SECRET

New Position: Immediate
Project: Communications Engineering

Location: Arlington, VA

TITLE/LEVEL: Research Assistant/Consultant (A/I)

FUNCTION TITLE: Electrical Engineer (Communications)

JOB DESCRIPTION: Analyze radio and computer communications
systems and design appropriate integration systems. Use
established electromagnetic and circuit level theory. Apply
modulation standards and protocols of the ITU-T
Recommendations, IEEE/ANSI standards, and DOD MILSTDs,

including elements of ITU-T V-series (V.22, 32, 42) and G-series. Design and implement graphical user interfaces for communications programs using C or Microsoft V- Basic. Perform communications tests and data collection. Write technical reports and performance analyses.

REQUIRED EXPERIENCE: Robust academic background in Electrical Engineering with a focus on radio communications. Practical experience in configuring transmitters, receivers, modems, antennas from HF through UHF, IBM-compatible PCs, MS-DOS, and Microsoft Windows. Practical experience with satellites, cellular, packet radio, and military or commercial telecommunications technical control facilities a plus. General or Advanced Class Amateur Radio License an asset.

SALARY RANGE: \$25,000 - \$35,000

EDUCATION REQUIREMENTS: BSEE. Robust academic background in Electrical Engineering with a focus on radio communications. Mathematics through Differential Equations, Probability Theory, and Introductory Statistics. Knowledge of Laplace, Fourier, and Z-transforms, Circuit Analysis, and Electromagnetic Theory a must. Data Communications and Communications Theory a plus. Control Theory, Systems Engineering, or Operations Analysis an asset.

COMMENTS: Communications interest and experience (military, amateur, or commercial) and general computer programming (Basic, Visual Basic, or FORTRAN) a must. Data communications and protocols (Internet, TCP/IP) a plus. U.S. Navy experience and satellite communications an asset.

Date: Wed, 20 Jul 94 13:18:54 CDT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!howland.reston.ans.net!
vixen.cso.uiuc.edu!usenet@network.ucsd.edu
Subject: No code tech./CB/not shedding a tear
To: info-hams@ucsd.edu

On 20 Jul 1994 13:01:18 GMT,
Frederick G. Slama <slama@ctron.com> wrote:

> This would be addressed to those critical of the tech. no-code
> class and those interested in this thread.
>
> [comment on CB deleted for brevity]

> However, because of the tech. no code exam, I have been able to use
> 2 meter. The "type" of people (ie HAM operators) on HAM bands,
> exercise a great degree of courtesy and respect (There are
> exceptions to every rule).
> Because of the technical skill and interest, I suspect that most
> of the troublemakers of CB will be content with turning a dial
> to a simple channel. I am not convinced that HAM radio will ever
> become as chaotic and "unappealing" as CB.
>
> My point is that because of the no-code tech license, I have been
> afforded the opportunity to get a "taste" of this hobby. I like the
> taste, and I assure you that I will continue to upgrade my license.
> I wouldn't be so skeptical of the no-code class.
>

Well stated, Fred. I and my 12 year old son Eric are new hams (since 6/21). We had the good fortune of receiving our licenses before leaving on a 3-week trip to California and back. With our new calls and a new 2m mobile in the van, ham radio helped pass the long hours on the road. We had -great- time making contacts. Since I was driving, my son did most of the radio work. All along our route he was welcomed, congratulated, and encouraged by all the hams we encountered. In Texas, in fact, we stopped at a Radio Shack to buy a log book to record all of the contacts. Eric got a load of practice and -confidence-, and I think it's safe to say ham radio has us hook, line, and sinker. Even my wife got into the act copying down call signs, names, and locations as Eric made the contacts. (Last night she told our ham classinstructor he's created -two- monsters... :-)). It made a great vacation even better. While I'm at it, thanks and 73's to the folks on the Zia Connection, the Bomb Squad (147.210 in southern CA), and Megalink, among many others.

We're both intending on upgrading to code eventually, but the Tech No-Code is what got us in and hooked. I doubt we would have had the incentive to go thru the code right off the bat. Now that we're in it, the incentive is there. And from my months of listening (the last few weeks from the Midwest to California), and several weeks of operation, the 2m I've heard is not CB in most areas (I know it is in some). I was a licensed CB operator (KAHB4941 - can't believe I remember that), and I got out of it long ago for obvious reasons.

Those who constantly rail on the Tech No-Code license and No-Code ham -are- the ones doing ham radio a disservice, IMHO. Fortunately, we haven't encountered such folks - yet. Whining about it and waxing nostalgic about "the good ol' days" isn't going to change anything, and ham radio would be much better served with that energy going into finding ways to encourage new hams to become more interested and involved in the hobby.

-Steve-

N9XDC

Date: Wed, 20 Jul 1994 23:36:18 GMT
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa
Subject: QST on News Stands?
To: info-hams@ucsd.edu

In article <1994Jul20.115448.1@woods.uml.edu> martinja@woods.uml.edu writes:
>In article <30ja44\$apv@wrdis02.robins.af.mil>, lakeith@robins.af.mil (Larry
>CONTRACTOR Keith Mr.) writes:
>
>> Has anyone seen QST for sale at a news stand or other magazine outlet?
>
>I've been buying it at the local HRO since my membership expired. (Unemployed
>for now). But I haven't picked up the July/August issue yet. I noticed the
>price went up to \$4.99 for that issue. Is this what the rag cost is going to
>be on the shelf? I only had three bucks in my wallet when I went into HRO to
>get a QST. Nuts!

Before you rush out to *buy* a copy of QST check your public or college
library to see if they subscribe to it. Not more than 50 yards from me
our research library has QST back to January 1960 (and CQ, but not 73).

Jeff NH6IL
jeffrey@math.hawaii.edu
jherman@hawaii.edu

Date: 21 Jul 1994 00:37:40 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!ceylon!
news2.near.net!news.umass.edu!nic.umass.edu!titan.ucs.umass.edu!
cmay@network.ucsd.edu
Subject: Quiz programs for License Tests
To: info-hams@ucsd.edu

Hi, I'm interested in becoming a Ham Radio Operator. I understand
this requires study and testing, two things I am quite familiar with.
I've seen computer programs before which teach the skills required to
pass some of the license tests. If anyone could point me to an FTP
site, or a software company, I would appreciate it.

--

-Chris May, Computer Science, University of MA, Amherst
- Technical Assistant, P.C. Maintenance Lab

Date: Wed, 20 Jul 1994 17:08:46 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!howland.reston.ans.net!
news.cac.psu.edu!news.pop.psu.edu!ra!usenet@network.ucsd.edu
Subject: Sister-in-law gets license quickly
To: info-hams@ucsd.edu

My sister-in-law just received her license. Callsign: N3SYE. She passed her exam on 27 May, and the license arrived in the mail on 20 July. That's a 54 day delay (about eight weeks).

Given the recent posts claiming 17 week delays, this was very quick. Anybody know why?

Dave

--

David Drumheller, KA3QBQ phone: (202) 767-3524
Acoustics Division, Code 7140 fax: (202) 404-7732
Naval Research Laboratory
Washington, DC 20375-5350 e-mail: drumhell@claudette.nrl.navy.mil

Date: 20 Jul 1994 18:33:26 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!vixen.cso.uiuc.edu!
newsrelay.iastate.edu!news.iastate.edu!wjturner@network.ucsd.edu
To: info-hams@ucsd.edu

References <H.eg.0U7_ULhYMq6@harvee.billerica.ma.us>,
<30bqcb\$lot@nntp.club.cc.cmu.edu>, <H.eg.RgsLBmftjEA@harvee.billerica.ma.us>edu
Subject : Re: *finally it arrived* (but why no plus?)

In article <H.eg.RgsLBmftjEA@harvee.billerica.ma.us>, esj@harvee.billerica.ma.us (Eric S Johansson) writes:

|> since I don't have a csce, I guess my 1980 novice ticket will have to
|> suffice... In reality I'm a tech+g. I took my tech exam at the second
|> to last fcc given exam session in boston (tech ticket dated 1981).

If you still have a copy (the original is probably better) of your original Technician license, hang on to it! Even though your novice license will show that you passed the 5 wpm test, only the Technician license can show that you passed what is now considered element 3B. If you ever decide to upgrade to general, you can present the VEs with this license (and a copy for them to send on, of course :) and just have to pass the 13 wpm test.

Will, NØRDV

End of Info-Hams Digest V94 #821
